



WATER MANAGEMENT DIVISION MONTHLY REPORT

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RESERVOIR OPERATION AND SYSTEM STATUS FOR FEBRUARY 2000

HIGHLIGHTS – Cairo began the month at 9.4' and ended at 38.2'. Normal stage for February is 31 feet.

WEATHER – The weather during February was very warm with a somewhat mixed precipitation pattern. Temperatures averaged well above normal for the month setting new record high temperatures in the seventies on the 23rd, 24th and 25th at several locations. Significant rainfall during the month was generally limited to two events. February 12-14 brought general heavy rainfall through the center of the basin. Then very heavy rains occurred on the 17th through the 19th from southern Indiana to West Virginia. Amounts in excess of 6 inches caused general flooding from this event. However, conditions remain dry with below normal rainfall in the Tennessee and Cumberland basins. Northwest Pennsylvania also reported below normal precipitation for the month.

The following table summarizes temperature and precipitation for February:

TEMPERATURE AND PRECIPITATION – FEBRUARY 2000

	TEMPERATURE		PRECIPITATION	
STATION	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	36.3	+7.5	2.53	+0.13
Charleston, WV	43.1	+7.4	4.25	+1.09
Columbus, OH	37.5	+7.7	2.79	+0.55
Cincinnati, OH	40.3	+8.4	5.71	+3.02
Louisville, KY	45.1	+9.4	5.80	+2.50
Indianapolis, IN	38.7	+9.1	2.86	+0.29
Evansville, IN	42.2	+7.8	7.26	+4.14

Nashville, TN	46.7	+6.3	3.75	-0.21
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STREAMFLOW -- Ohio River monthly average flows for February ranged from a low of 56 percent of normal at Paducah, KY to a high of 88 percent of normal at Louisville, KY. Daily flows ranged from a low of 9 percent of normal at Evansville, IN to a high of 384 percent of normal at Pittsburgh, PA.

The following table presents the flow data summary for February at the Ohio River Index Stations:

FLOW DATA – FEBRUARY 2000

STATION	AVERAGE MONTHLY FLOW CUBIC FEET/SECOND	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
			HIGH	LOW
Pittsburgh, PA	52,113	76	384	19
Huntington, WV	138,340	84	308	15
Cincinnati, OH	183,550	86	297	9
Louisville, KY	221,790	88	280	12
Evansville, IN	241,450	81	243	9
Paducah, KY	292,480	56	145	12

RESERVOIRS -- February started with 2.3% utilization of the total system flood control storage and ended the month at 5.4%. System-wide augmentation storage increased from 91.1% at the beginning of the month to 99.2% by the end of the month. Significant flood storage utilization in excess of 25% occurred at 10 reservoir projects during February; 25.0% at Union City, 48.2% at Stonewall Jackson, 67.9% at Tygart, 25.8% at Sutton, 26.9% at Senecaville, 29.0% at Burnsville, 41.4% at Paint Creek, 28.5% at East Fork of the Little Miami, 29.9% at West Fork of the Mill Creek Lake, and 25.4% at Taylorsville.

The following table depicts storage change by tributary reservoir subsystem for February:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	+307,800

Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	+47,600
Twelvepole-Big Sandy-Little Sandy-Scioto	+13,700
Little Miami-Licking-Mill Creek-Great Miami	+80,200
Kentucky-Salt-Green-Wabash	+225,300
Cumberland	+665,500
TOTAL	+1,340,100

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